

10. MARINE MOLLUSCA FROM DIEGO GARCIA

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The marine mollusca of the atoll have been very incompletely collected and with the present collection number only 179 species compared with 504 species recorded from Cocos-Keeling (Maes 1967). Some of the paucity is due to dispersal phenomena associated with the isolation of the Chagos.

The first account of molluscs from the atoll is by Liénard (1877) who lists 39 species. Kohn & Robertson (1968) point out that for the genus Conus a good proportion of Liénard's records for the Chagos have not been confirmed by subsequent work. In addition it is difficult in many cases to decide to what species some of his names refer: all of Liénard's records have therefore been omitted from the present list.

Fischer (1891) lists in distribution records of species from Indo-China a number of species from the Chagos Archipelago including seven from Diego Garcia. The Deutsche Tiefsee Expedition of 1898-1899 called briefly at Diego Garcia and subsequent reports by von Martens (1903) and Thiele and Jaekel (1931) record six gastropods and one bivalve respectively. The Percy Sladen Expedition collected 32 species from the atoll which are described and listed in Melvill (1909).

Schilder and Schilder (1937) record 44 species of Cypraea from the Chagos Archipelago, but do not list species from individual atolls.

Since then the only molluscan record known to the author is a new genus and species of gastropod (Tomlinella miranda) from Diego Garcia by Viader (1938). Poisson (1954) listed a few molluscs from the Chagos Archipelago but none specifically from Diego Garcia. The species of Conus from the Maldive and Chagos groups are listed by Kohn and Robertson (1968) but they do not separate records from individual atolls although all Kohn's collections were made on Peros Banhos.

A list of molluscs collected in July 1967 is given below together with short habitat notes. Records by other workers are also included. The species are grouped by superfamilies.

GASTROPODA

FISSURELLACEA

Emarginula peasei Thiele

East Point, seaward, beneath loose block, sublittoral fringe*,
1 specimen, 6 July 1967.

Diodora singaporensis (Reeve)

East Point, lagoon, on coral colony, 1 m, 1 specimen, 10 July
1967. North West Point, seaward, algal ridge, cryptofauna,
sublittoral fringe, 1 specimen, 21 July 1967.

PATELLACEA

Cellana sp.

East Point, lagoon, coral. 1 m, 1 specimen, 12 July 1967.

TROCHACEA

Trochus flammulatus Lamarck

East Point, lagoon, on coral, sublittoral, 1 m, 1 specimen,
12 July 1967. Barton Point, seaward shore, on boulders at base
of beach, low eulittoral, 1 specimen, 7 July 1967. North West
Point, Cymodocea beds, cryptofauna, sublittoral fringe, 1 speci-
men, 21 July 1967.

Tectus mauritianus (Gould)

East Point, lagoon, epifaunal on coral, 1 m, 1 specimen, 12
July 1967.

Gena strigosa A. Adams

Melvill (1909), from Barachois.

Clanculus margaritarius Philippi

Melvill (1909), from Barachois.

* For an explanation of zonation and terminology, see Lewis, J. R., 1964, The ecology of rocky shores, and Taylor, J. D., Phil. Trans. R. Soc. London B, 254: 129-206, 1968.

Stomatella varia A. Adams

Cust Point, seaward, off bryozoan colony, Cymodocea beds, 14 July 1967.

Turbo argyrostomus Linnaeus

West Island, lagoon, Cymodocea beds, beneath dead blocks, 1 specimen, 23 July 1967.

Turbo intercostalis Menke

Pointe Marianne, lagoon, Cymodocea beds, beneath loose block, 1 specimen, 22 July 1967.

NERITACEA

Nerita albicilla Linnaeus

East Point, seaward, eulittoral, beneath boulders at base of beach, 1 specimen, 8 July 1967. East Point, lagoon, eulittoral, beneath cobbles at base of beach, 1 specimen, 5 July 1967. Barton Point, seaward, eulittoral, beneath boulders, 8 specimens, 7 July 1967. West Island, seaward, eulittoral, epifaunal open surface, 1 specimen, 23 July 1967. Headland N. of Point Thomas, seaward, eulittoral, beneath boulders, 27 specimens, 13 July 1967.

Nerita plicata Linnaeus

Barton Point, seaward, eulittoral, on open surfaces of boulders, 2 specimens, 13 July 1967.

Nerita polita Linnaeus

Headland N. of Point Thomas, seaward, eulittoral, beneath boulders at base of beach, 10 specimens, 13 July 1967. Carcasse, lagoon, eulittoral beneath cobbles at base of beach, 5 specimens, 9 July 1967. Barton Point, seaward, eulittoral, beneath boulders at base of beach, 1 specimen, 7 July 1967.

Nerita undata Linnaeus

Barton Point, seaward, eulittoral, on open surfaces of boulders, 20 specimens, 7 July 1967.

Smaragdia rangiana (Recluz)

North West Point, seaward, sublittoral fringe, in algae on reef flat, 1 specimen, 21 July 1967.

LITTORINACEA

Littorina scabra (Linnaeus)

South Point, lagoon, littoral fringe on beach rock, 1 specimen, 12 July 1967. Barachois Maurice, lagoon, littoral fringe, on beach rock, 20+ specimens, 16 July 1967, 15 July 1967. East Point, lagoon, littoral fringe, on tree trunks, 20+ specimens, 5 July 1967.

Littorina glabrata (Philippi)

East Point, lagoon, littoral fringe, on tree trunks, 8 specimens, 5 July 1967. Cust Point, lagoon, littoral fringe, on tree trunks, 4 specimens, 14 July 1967.

RISSEOACEA

Rissoina ambigua Gould

East Point, seaward, beneath loose blocks, 4 specimens, 6 July 1967; algal ridge, beneath block, sublittoral fringe, 1 specimen, 8 July 1967. North West Point, seaward, in algae, sublittoral fringe, 1 specimen, 21 July 1967. Headland N. of Point Thomas, seaward, 1 specimen, 13 July 1967.

Rissoina plicata A. Adams

East Point, seaward, beneath dead coral blocks, sublittoral fringe, 2 specimens, 6 July 1967. North West Point, seaward, in algae, 1 specimen, 21 July 1967. Headland N. of Point Thomas, seaward, beneath loose blocks, 1 specimen, 13 July 1967.

CERITHIACEA

Planaxis lineatus (Da Costa)

Barton Point, seaward, on sand and beneath boulders, base of beach, eulittoral, very common, 7 July 1967. Headland N. of Point Thomas, seaward, beneath boulders at base of beach, eulittoral, 100+ specimens, 13 July 1967.

Planaxis sulcatus Born

Mamzelle Adelie, lagoon, on beach rock, epifaunal, eulittoral, 20 specimens, 17 July 1967. Carcasse, lagoon, eulittoral, beneath cobble of beach, 20+ specimens, 9 July 1967. Melvill (1909) records it from Barachois.

Modulus tectum (Gmelin)

Barton Point, seaward, beneath boulders at base of beach, 1 specimen, 7 July 1967. North West Point, seaward, sublittoral fringe, algal ridge, 1 specimen, 21 July 1967.

Rhinoclavis asper (Linnaeus)

East Point, lagoon, sublittoral (1 m) sand burrowing, 1 specimen, 9 July 1967. Barachois Maurice, eulittoral, burrowing in fine sand with Uca, 20 specimens, 16 July 1967. Melvill (1909), in barachois; von Martens (1903).

Cerithium obeliscus Bruguière

East Point, seaward, reef flat, dead, 1 specimen, 6 July 1967.

Cerithium pretosum Wood

East Point, lagoon, eulittoral, beneath cobbles at base of beach, 50+ specimens, 5 July 1967. Carcasse, lagoon, beneath beach

cobbles, 20+ specimens, 9 July 1967. Mamzelle Adélie, lagoon, eulittoral, amongst green algae, 20+ specimens, 17 July 1967. Melvill (1909) in barachois.

Cerithium rostratum Sowerby

North West Point, seaward, Cymodocea beds, on leaves, 2 specimens, 21 July 1967. Pointe Marianne, lagoon, Cymodocea beds, on leaves, 2 specimens, 22 July 1967.

Cerithium (Conocerithium) atromarginatum Dautzenberg & Bouge

North West Point, seaward, algal ridge, beneath loose blocks, 3 specimens, 21 July 1967.

Cerithium cf. (Conocerithium) egenum Gould

East Point, seaward, algal ridge beneath blocks, 2 specimens, 8 July 1967.

Cerithium (Semivertagus) ianthinum Gould

North West Point, seaward, algal ridge, beneath loose blocks, 1 specimen, 21 July 1967; Cymodocea beds, 1 specimen, 21 July 1967. East Point, seaward reef, algal ridge, 1 specimen, 8 July 1967.

Cerithium (Semivertagus) nesioticum Pilsbry and Vanatta

East Point, seaward, inner reef flat, beneath boulders, 1 specimen, 8 July 1967. North West Point, seaward, Cymodocea beds, 1 specimen, 21 July 1967.

Cerithium sp.

Carcasse, lagoon, beneath cobbles, eulittoral, 20+ specimens, 9 July 1967. Barton Point, seaward, beneath boulders, eulittoral, 6 specimens, 7 July 1967.

Triphora aurea (Hervier)

East Point, lagoon, off coral, sublittoral, 1 specimen, 19 July 1967.

Triphora coetivensis Melvill

Barton Point, seaward beneath boulders at base of beach, 1 specimen, 7 July 1967.

Triphora monilifera (Hinds)

North West Point, seaward, in algae, 1 specimen, 21 July 1967.

Triphora sp.

East Point, lagoon, off coral, sublittoral, 1 specimen, 19 July 1967.

Tomlinella miranda Viader

Viader (1938).

HIPPONICACEA

Vanikoro cancellata Lamarck

North West Point, seaward, in algae, sublittoral fringe, 1 specimen, 8 July 1967. East Point, seaward, beneath loose blocks, 2 specimens, 6 July 1967; algal ridge beneath boulders, 4 specimens, 8 July 1967.

Hipponyx conica Schumacher

East Point, seaward, mid-reef flat on Conus, heavy infestation, July 1967. South Point, seaward, beach rock crevices, epifaunal mostly on species of Conus, 11 July 1967. North West Point, seaward, algal ridge, commensal on Conus, 21 July 1967. Von Martens (1903) as Hipponyx acutus Quoy and Gaimard, on Conus distans.

CALYPTRAEACEA

Cheilea equestris (Linnaeus)

East Point, seaward, cemented beneath loose blocks on algal ridge, 2 specimens, 8 July 1967. Headland N. of Point Thomas, seaward, cemented beneath blocks, 2 specimens, 13 July 1967.

STROMBACEA

Strombus decorus decorus Röding

Cust Point, lagoon flats, Cymodocea beds, epifaunal, 1 m, 2 specimens, 14 July 1967. Pointe Marianne, lagoon, Cymodocea beds, epifaunal, 3 specimens, 22 July 1967. East Point, lagoon, amongst algae, 1 m, 3 specimens, 14 July 1967.

Strombus labiatus (Röding)

Pointe Marianne, lagoon, Cymodocea beds, epifaunal, 1 specimen, 22 July 1967. East Point, lagoon, amongst algae, epifaunal, 1 m, 4 specimens, 14 July 1967.

Strombus mauritianus Lamarck

Melville (1909), Diego Lagoon.

Strombus mutabilis Swainson

East Point, lagoon, amongst weed, epifaunal, 1 m, 4 specimens, 14 July 1967.

Lambis crocata (Link)

Beach washed. 2 specimens.

NATICACEA

Polynices melanostoma (Gmelin)

Barachois Maurice, lagoon, burrowing in mud with Uca, 2 specimens, 16 July 1967. Cust Point, lagoon, Cymodocea beds.

TONNACEA

Bursa bufonia (Gmelin)

North West Point, seaward, algal ridge, beneath loose boulders, 1 specimen, 21 July 1967. East Point, seaward, beneath dead coral blocks, sublittoral fringe, 5 specimens, 6 July 1967. South Point, seaward, epifaunal mid-reef flat, 1 specimen, 11 July 1967. Headland N. of Point Thomas, seaward, epifaunal, reef flat, 1 specimen, 13 July 1967.

Bursa granularis Röding

East Point, seaward, epifaunal, sublittoral fringe, 10 specimens, 8 July 1967; 6 July 1967. North West Point, seaward, Cymodocea beds, epifaunal, 2 specimens, 21 July 1967; algal ridge, beneath loose blocks, 2 specimens, 21 July 1967.

Bursa rhodostoma (Sowerby)

North West Point, seaward, algal ridge, beneath boulders, 1 specimen, 21 July 1967.

Apollon bituberculare (Lamarck)

North West Point, seaward, Cymodocea beds, beneath cobble, 1 specimen, 21 July 1967.

Cymatium pileare (Linnaeus)

North West Point, seaward, algal ridge, 1 specimen, 21 July 1967. Pointe Marianne, lagoon, Cymodocea beds beneath dead coral blocks, 2 specimens, 22 July 1967. South Point, seaward, beach rock crevices, eulittoral, 1 specimen, 11 July 1967.

CYPRAEACEA

Cypraea annulus Linnaeus

East Point, seaward reef flat, cryptofauna, sublittoral fringe, 3 specimens, 6 July 1967; inner reef flat, seaward reef, beneath cobbles, sublittoral fringe, 2 specimens, 8 July 1967. North of Point Thomas, seaward, headland, cryptofauna, 2 specimens, 13 July 1967. North West Point, Cymodocea beds, cryptofauna, seaward, 2 specimens, 21 July 1967.

Cypraea carneola Linnaeus

West Island, lagoon shore, sublittoral fringe, Cymodocea beds, 1 specimen, 23 July 1967.

Cypraea childreni Gray

Fischer (1891).

Cypraea chinensis Gmelin

North West Bay, seaward flats, algal ridge, sublittoral fringe, 1 specimen, 21 July 1967.

Cypraea helvola Linnaeus

North West Point, Cymodocea beds, cryptofauna beneath cobbles, 4 specimens, 21 July 1967.

Cypraea histrio Gmelin

West Island, lagoon shore, Cymodocea beds, sublittoral fringe, 1 specimen, 23 July 1967. North East Point, seaward reef, Cymodocea beds beneath boulder, sublittoral fringe, 1 specimen, 21 July 1967. North West Point, seaward reef, algal ridge, cryptofauna, 3 specimens, 21 July 1967.

Cypraea isabella Linnaeus

Fischer (1891), beach washed.

Cypraea lynx Linnaeus

East Point, lagoon flats, beneath cobbles, 1 m. 2 specimens, 14 July 1967. North West Point, seaward reef, Cymodocea beds, cryptofauna, 1 specimen, 21 July 1967.

Cypraea depressa (Gray)

North West Point, seaward, algal ridge, cryptofauna sublittoral fringe, 2 specimens, 21 July 1967. East Point, seaward, mid-reef flat, 1 specimen, 7 July 1967.

Cypraea moneta Linnaeus

East Point, seaward reef, cryptofauna beneath dead coral blocks, sublittoral fringe, 1 specimen, 6 July 1967. Cust Point, lagoon shore, Cymodocea beds, on leaves, 1 m, 3 specimens, 14 July 1967; East Point, lagoon shore amongst algae, 1 m, 2 specimens, 14 July 1967. Pointe Marianne, lagoon flats, Cymodocea beds, 1 specimen, 22 July 1967. Carcasse, lagoon shore beneath cobbles, eulittoral, 2 specimens, 9 July 1967. Headland north of Point Thomas, seaward flats, sublittoral fringe, 2 specimens, 13 July 1967. North West Point, Cymodocea beds, cryptofauna, sublittoral fringe, 5 specimens, 21 July 1967. Melvill (1909) from barachois.

Cypraea kieneri Hidalgo

East Point, seaward, cryptofauna, 1 specimen, 7 July 1967. North West Point, seaward reef algal ridge, cryptofauna, 3 specimens, 21 July 1967.

Cypraea staphylaea Linnaeus

Melvill (1909).

Cypraea talpa Linnaeus

Beach washed.

Cypraea caputserpentis Linnaeus

South Point, seaward, mid-reef, crevice, 1 specimen, 11 July 1967.

Trivia insecta (Mighels)

South Point, seaward, in branching coral colony crevices, sublittoral fringe, 3 specimens, 11 July 1967.

MURICACEA

Murex adustus Lamarck

Melville (1909), Barachois Maurice.

Drupa morum Röding

South Point, seaward, reef flat, eulittoral, 3 specimens, 11 July 1967, base of beach rock, 3 specimens, 11 July 1967. East Point, seaward, epifaunal on loose blocks, 3 specimens, 6 July 1967. West Island, seaward platform, epifaunal, 2 specimens, 23 July 1967. Barton Point, seaward, boulders at base of beach, eulittoral, 6 specimens, 7 July 1967.

Drupa ricinus (Linnaeus)

South Point, seaward, eulittoral, base of beach rock, 4 specimens, 11 July 1967. West Island, seaward, eulittoral, epifaunal, 1 specimen, 23 July 1967. North West Point, seaward, sublittoral fringe, algal ridge, 1 specimen, 21 July 1967; Cymodocea beds, 21 July 1967. Barton Point, seaward, eulittoral, boulders at base of beach, 6 specimens, 7 July 1967. East Point, seaward, eulittoral, on loose blocks, 8 July 1967. Headland North of Point Thomas, seaward, sublittoral fringe, beneath boulders, 2 specimens, 13 July 1967.

Drupa cornus Röding

East Point, lagoon, off Favia colony, sublittoral, 1 m, 2 specimens, 9 July 1967.

Drupella margariticola (Broderip)

East Point, lagoon, beneath cobbles at base of beach, eulittoral, 13 specimens, 5 July 1967. Cust Point, lagoon, Cymodocea beds on loose blocks, 3 specimens, 14 July 1967. Mamzelle Adélie, lagoon, on beach rock, eulittoral, 8 specimens, 17 July 1967. Carcasse, lagoon, beneath cobbles, eulittoral, 7 specimens, 9 July 1967. North West Point, seaward, Cymodocea beds, beneath cobbles, 1 specimen, 21 July 1967. Headland North of Point Thomas, seaward, beneath boulders at base of beach, eulittoral, 4 specimens, 13 July 1967. Melville (1909) as Sistrum fiscellum Chemnitz.

Drupella ochrostoma (Blainville)

North West Point, seaward, Cymodocea beds, beneath loose blocks, 4 specimens, 21 July 1967.

Morulaanaxeres (Kiener)

Mamzelle Adélie, lagoon, beach rock, eulittoral, 4 specimens, 17 July 1967.

Morula granulata (Duclos)

Barton Point, seaward, eulittoral, boulders at base of beach, 10 specimens, 7 July 1967. West Island, seaward platform, eulittoral, 3 specimens, 23 July 1967. South Point, seaward, eulittoral, base of beach rock, 12 specimens, 11 July 1967. East Point, seaward, reef flat, 1 July 1967. Mamzelle Adelie, lagoon, eulittoral, beach rock, 5 specimens, 17 July 1967.

Morula spinosa (H. & A. Adams)

Listed by Melvill as Sistrum iostoma (Reeve).

Morula uva (Röding)

South Point, seaward, reef flat, 3 specimens, 11 July 1967. Barton Point, seaward, eulittoral, boulders at base of beach, 10 specimens, 7 July 1967. North West Point, seaward, sublittoral fringe, algal ridge, 1 specimen, 21 July 1967. West Island, seaward platform, eulittoral, 1 specimen, 23 July 1967.

Nassa francolina (Bruguière)

Headland North of Point Thomas, seaward, cryptofauna, 1 specimen, 13 July 1967.

Thais aculeata Deshayes

Mamzelle Adelie, lagoon, base of beach rock, eulittoral, 3 specimens, 17 July 1967. West Island, seaward, epifaunal, eulittoral, 1 specimen, 23 July 1967. South Point, seaward, base of beach rock, eulittoral, 3 specimens, 11 July 1967. Headland North of Point Thomas, seaward, beneath loose blocks, 1 specimen, 13 July 1967. Barton Point, seaward, beneath boulders at base of beach, 4 specimens, 7 July 1967.

Thais armigera (Link)

North West Point, seaward, algal ridge, beneath blocks, 1 specimen, 21 July 1967. South Point, seaward flat, epifaunal, 5 specimens, 11 July 1967. West Island, seaward, eulittoral, on platform, 2 specimens, 23 July 1967. East Point, seaward, mid-reef flat, epifaunal, sublittoral fringe, 2 specimens, July 1967.

Thais tuberosa (Röding)

Headland North of Point Thomas, seaward, epifaunal, reef flat, 1 specimen, 13 July 1967. East Point, seaward, inner reef flat, epifaunal on dead coral blocks, eulittoral, 1 specimen, 8 July 1967; 3 specimens, 6 July 1967. South Point, seaward reef, epifaunal, sublittoral fringe, 1 specimen, 11 July 1967.

Maculotriton digitalis (Reeve)

Barton Point, seaward, beneath boulders at base of beach, eulittoral, 4 specimens, 7 July 1967. East Point, seaward, algal ridge, beneath loose blocks, sublittoral fringe, 1 specimen, 8 July 1967. Headland North of Point Thomas, seaward, beneath boulders, 1 specimen, 13 July 1967. East Point, seaward, inner reef flat beneath boulders, 1 specimen, 8 July 1967. South

Point, seaward, in beach rock crevices, eulittoral, 1 specimen, 11 July 1967. Cust Point, lagoon, Cymodocea beds, beneath blocks, 1 specimen, 14 July 1967. North West Point, seaward, algal ridge, beneath blocks, 4 specimens, 21 July 1967.

Maculotriton serriale (Laborde and Deshayes)

Barton Point, seaward, beneath boulders at base of beach, 2 specimens, 7 July 1967. East Point, seaward, boulders at base of beach, 2 specimens, 8 July 1967.

Quoyala madreporarum (Sowerby)

East Point, lagoon, on Pocillopora, July 1967.

Coralliophila monodonta (Quoy and Gaimard)

Melvill (1909).

BUCCINACEA

Columbella turturina Lamarck

North West Point, seaward, Cymodocea beds, beneath loose blocks, 5 specimens, 21 July 1967. Fischer (1891).

Columbella varians Sowerby

East Point, seaward, algal ridge, beneath loose blocks, 2 specimens, 8 July 1967. Barton Point, seaward, beneath boulders at base of beach, 6 specimens, 7 July 1967.

Pyrene azora (Duclos)

Carcasse, lagoon, beneath cobbles on beach, eulittoral, 20+ specimens, 9 July 1967. North West Point, seaward, algal ridge, in crevices, 1 specimen, 21 July 1967.

Pyrene sp.

East Point, lagoon, on algae on Tridacna maxima, 9 July 1967. Cust Point, lagoon, Cymodocea beds, beneath loose blocks, 10 specimens, 14 July 1967.

Cantharus undosus Linnaeus

East Point, lagoon, sublittoral (1 m) on Favia colony, 4 specimens, 9 July 1967; 10 July 1967. Headland North of Point Thomas, seaward, reef flat, beneath blocks, 2 specimens, 13 July 1967. North West Point, seaward, Cymodocea beds, beneath blocks, 2 specimens, 21 July 1967; algal ridge beneath boulders, 1 specimen, 21 July 1967. Melvill (1909), from Barachois Maurice.

Engina bonasina (von Martens)

North West Point, seaward, algal ridge, beneath block, 1 specimen, 21 July 1967.

Engina lineata (Reeve)

North West Point, seaward, algal ridge, beneath blocks, 7 specimens, 21 July 1967; Cymodocea beds, beneath loose blocks, 7 specimens, 21 July 1967.

Engina mendicaria (Linnaeus)

East Point, seaward, eulittoral, beneath boulders at base of beach, 5 specimens, 8 July 1967; beneath coral blocks, mid-reef flat, 2 specimens, 6 July 1967. Headland North of Point Thomas, beneath loose blocks, 2 specimens, 18 July 1967; boulders at base of beach, 10 specimens, 13 July 1967. Barton Point, seaward, eulittoral, beneath boulders at base of beach, 20+ specimens, 7 July 1967. West Island, seaward, eulittoral, on platform, 5 specimens, 23 July 1967. North West Point, seaward, Cymodocea beds, sublittoral fringe, 1 specimen, 21 July 1967. South Point, seaward, eulittoral, in beach rock crevices, 20 specimens, 21 July 1967.

Nassarius arcularis (Linnaeus)

Fischer (1891).

Nassarius gaudiosus (Hinds)

North West Point, seaward, algal ridge, beneath loose block, 1 specimen, 21 July 1967.

Nassarius maldivensis (Smith)

Melvill (1909), lagoon.

Nassarius paupera (Gould)

Cust Point, lagoon, Cymodocea beds, epifaunal, sublittoral, 1 m, 1 specimen, 14 July 1967. East Point, lagoon, sand burrowing, sublittoral, 1 m, 1 specimen, 9 July 1967.

Latirus craticulatus (Linnaeus)

North West Point, seaward, algal ridge, beneath boulders, 1 specimen, 21 July 1967. West Island, lagoon, Cymodocea beds, crypto-fauna, 1 specimen, 23 July 1967.

Latirus polygonus (Linnaeus)

Melvill (1909), Barachois Maurice.

Peristernia sp.

Barton Point, seaward, beneath boulders, 1 specimen, 7 July 1967.

Latirolagena smaragdula (Linnaeus)

Barton Point, seaward, beneath boulders at base of beach, eulittoral, 1 specimen, 7 July 1967. North West Point, seaward, algal ridge, beneath blocks, 3 specimens, 21 July 1967.

Fusinus tuberculatus Lamarck

Melvill (1909), Barachois Maurice.

VOLUTACEA

Mitra cucumerina Lamarck

North West Point, seaward, algal ridge, 1 specimen, 21 July 1967.

Mitra stictica (Link)

East Point, seaward, in sand pockets, 1 specimen 6 July 1967.
South Point, seaward reef flat in sand pockets, 1 specimen,
11 July 1967.

Strigatella litterata (Lamarck)

Barton Point, seaward, eulittoral, beneath boulders at base of beach, 10 specimens, 7 July 1967. East Point, seaward, eulittoral, beneath boulders at base of beach, 2 specimens, 8 July 1967. South Point, seaward, eulittoral, in crevices in beach rock, 1 specimen, 11 July 1967. Headland North of Point Thomas, seaward, beneath boulders, 3 specimens, 13 July 1967. North West Point, Cymodocea beds, beneath loose block, 1 specimen, 21 July 1967.

Strigatella paupercula (Linnaeus)

South Point, seaward, cryptofauna, 1 specimen, 11 July 1967.

Vasum turbinellus (Linnaeus)

Headland north of Point Thomas, seaward, mid-reef flat, epifaunal, 1 specimen, 13 July 1967. North West Point, seaward, algal ridge, beneath blocks, 1 specimen, 21 July 1967.

Harpa amouretta Röding

North West Point, seaward, Cymodocea beds, beneath loose block, 1 specimen, 21 July 1967.

CONACEA

Conus catus Hwass

Barton Point, seaward reef, beneath boulders, 1 specimen, 7 July 1967. South Point, seaward reef, epifaunal, intertidal (lower eulittoral) on beachrock, 5 specimens, 11 July 1967.

Conus chaldeus (Röding)

South Point, seaward reef, epifaunal, mid-reef flat, sublittoral fringe, 6 specimens, 11 July 1967. North West Point, seaward reef, algal ridge, beneath boulders, sublittoral fringe, 1 specimen, 11 July 1967. East Point, seaward, mid-reef flat, 1 specimen, 7 July 1967.

Conus distans Hwass

Von Martens (1903).

Conus ebraeus Linnaeus

West Island, seaward platform, eulittoral, epifaunal, 1 specimen, 23 July 1967. South Point, on beachrock, intertidal (eulittoral),

11 July 1967. East Point, seaward reef, sublittoral fringe, 1 specimen, 6 July 1967. Headland North of Point Thomas, seaward reef, sublittoral fringe, 3 specimens, 13 July 1967. North West Point, Cymodocea beds, cryptofauna, sublittoral fringe, 2 specimens, 21 July 1967. Von Martens (1903).

Conus flavidus Lamarck

South Point, base of beach rock, intertidal, epifaunal, 1 specimen, 11 July 1967.

Conus fulgetrum Sowerby

Barton Point, seaward, eulittoral, beneath boulders at base of beach, 1 specimen, 7 July 1967.

Conus lividus Hwass

North West Point seaward reef, algal ridge, epifaunal, sublittoral fringe, 6 specimens, 21 July 1967. North West Point, seaward, Cymodocea beds, epifaunal, sublittoral fringe, 3 specimens, 21 July 1967. Headland North of Point Thomas, seaward reef, epifaunal, 5 specimens, 13 July 1967. South Point, seaward reef, epifaunal, sublittoral fringe, 3 specimens, 11 July 1967. East Point, seaward reef, epifaunal, open surfaces, sublittoral fringe, 1 specimen, 6 July 1967. East Point, seaward reef inner flat, intertidal (low eulittoral), 1 specimen, 8 July 1967.

Conus miles Linnaeus

North West Point, seaward reef, algal ridge, cryptofauna, sublittoral fringe, 5 specimens, 21 July 1967. North West Point, seaward reef Cymodocea beds, 1 specimen, 21 July 1967. Headland North of Point Thomas, seaward reef, cryptofauna, 3 specimens, 13 July 1967. East Point, seaward, mid-reef flat, 1 specimen, July 1967.

Conus musicus Hwass

South Point, seaward reef, epifaunal, sublittoral fringe, 1 specimen, 11 July 1967.

Conus nussatella Linnaeus

Headland North of Point Thomas, seaward reef, 1 dead specimen, 13 July 1967.

Conus rattus Hwass

South Point, seaward reef, epifaunal, outer reef flat, sublittoral fringe, 10 specimens, 11 July 1967. East Point, seaward, mid-reef flat, 1 specimen, July 1967.

Conus sponsalis Hwass

North West Point, seaward reef, algal ridge, epifaunal, 1 specimen, 21 July 1967; seaward reef, Cymodocea beds, cryptofauna, 1 specimen, 21 July 1967. Headland North of Point Thomas, seaward reef, epifaunal, 7 specimens, 13 July 1967. South Point,

seaward flats, cryptofauna, 4 specimens, 11 July 1967; seaward reef, intertidal (eulittoral), on beach rock, 30 specimens, 11 July 1967. West Island, seaward platform intertidal (eulittoral), 2 specimens, 23 July 1967. East Point, seaward, mid-reef flat, 1 specimen, July 1967. Barton Point, seaward, eulittoral, beneath boulders, 1 specimen, 7 July 1967.

Conus virgo Linnaeus

Headland North of Point Thomas, seaward reef, 1 specimen, 13 July 1967.

PYRAMIDELLACEA

Eulima sp.

South Point, seaward reef, off holothurians, in beach rock crevices, 1 specimen, 11 July 1967.

Balcis sp.

East Point, seaward, algal ridge, 1 specimen, 8 July 1967.

PERACLEACEA

Volvatella cincta (G. & H. Nevill)

North West Point, seaward, amongst algae, 1 specimen, 21 July 1967.

SCAPHOPODA

Dentalium gemmiparum Melvill

Melvill (1909), dredged from lagoon.

BIVALVIA

ARCACEA

Arca (Arca) avellana Lamarck

East Point, lagoon, sublittoral, 1 m, coral colony crevices, 2 specimens, 10 July 1967; 19 July 1967; seaward, mid-reef flat, crevice, 1 specimen, July 1967.

Arca plicata (Dillwyn)

East Point, lagoon, sublittoral, byssate on Tridacna maxima, 1 specimen, 9 July 1967.

Anadara urypigymelana (Bory)

Cust Point, lagoon, burrowing in Cymodocea beds, 1 m, 14 July 1967. Recorded by Melvill (1909) as A. holoserica Reeve, from lagoon (10 fathoms) and Barachois Maurice.

Striarca tenebrica (Reeve)

East Point, lagoon, sublittoral 1 m, byssate, in coral crevice, 3 specimens, 12 July 1967; 10 July 1967.

Barbatia decussata (Sowerby)

East Point, lagoon, sublittoral, 1 m, byssate in coral crevices, 10 specimens, 19 July 1967; 10 July 1967; 12 July 1967.

Barbatia helblingi Bruguière

East Point, lagoon, byssate beneath coral colonies, sublittoral 1 m, 30 specimens, 19 July 1967; 10 July 1967.

Barbatia tenella (Reeve)

North West Point, seaward, algal ridge, boulder zone, byssate, 1 specimen, 21 July 1967. Headland North of Point Thomas, seaward, byssate, beneath coral blocks, 2 specimens, 13 July 1967.

Barbatia fusca Bruguière

East Point, lagoon shore, byssate, on coral colony, 1 m, 19 July 1967.

MYTILACEA

Modiolus auriculatus Krauss

East Point, seaward, byssate groups, sublittoral fringe, 30 specimens, 6 July 1967. South Point, seaward, byssate, mid-reef flat, 1 specimen, 11 July 1967. North West Point, seaward, Cymodocea beds, byssate, around stems, 2 specimens, 21 July 1967.

Brachiodontes variabilis Krauss

Barachois Maurice, eulittoral, byssate, beneath cay rock, 1 specimen, 16 July 1967.

Septifer bilocularis (Linnaeus)

Carcasse, lagoon, sublittoral, byssate, beneath coral colony (Favia), 6 specimens, 9 July 1967. East Point, lagoon, byssate, beneath coral colony, 1 m, 2 specimens, 10 July 1967. Barachois Maurice, lagoon entrance, byssate, on beach rock, eulittoral, 6 specimens, 15 July 1967. Recorded by Melvill (1909) from 10-14 fathoms in lagoon. Also recorded by Thiele and Jaekel (1931), Station 224.

Leiosolenus nasuta (Philippi)

Carcasse, lagoon, sublittoral 1m, boring into Favia colony, 10 specimens, 9 July 1967.

Lithophaga teres (Philippi)

Carcasse, lagoon, sublittoral, 1 m, boring into Favia colony, 3 specimens, 12 July 1967. East Point, lagoon, sublittoral, 1 m, boring into massive coral, 3 specimens, 12 July 1967; 19 July 1967. Melvill (1909) records it from the lagoon.

Botula cinnamomea (Lamarck)

Carcasse, lagoon, sublittoral, 1 m, boring into Favia colony, 10 specimens, 9 July 1967.

PINNACEA

Pinna muricata Linnaeus

Cust Point, lagoon, Cymodocea beds, burrowing, 1 m, 1 specimen,
14 July 1967.

PTERIACEA

Electroma alacorvi (Dillwyn)

North West Point, seaward, Cymodocea beds, dead, 21 July 1967.
East Point, lagoon, byssate beneath coral colony, in crevices,
1 m, 3 specimens, 10 July 1967.

Pinctada margaritifera (Linnaeus)

Headland North of Point Thomas, seaward, byssate, beneath loose
blocks, 1 specimen, 13 July 1967. North West Point, seaward,
Cymodocea beds, byssate, beneath block, 1 juvenile, 21 July 1967.

Pinctada sp.

Headland North of Point Thomas, seaward, byssate, beneath dead
coral lumps, 2 specimens, 13 July 1967.

Isognomon legumen (Gmelin)

Carcasse, lagoon, sublittoral, byssate, beneath Favia colony,
10 specimens, 9 July 1967. East Point, lagoon, byssate, in cre-
vices beneath coral colony, 10 specimens, 10 July 1967; 19 July
1967.

Isognomon perna (Linnaeus)

East Point, seaward, byssate beneath dead coral blocks, 1 speci-
men, 6 July 1967; 8 July 1967.

Vulsella spongiarum (Lamarck)

Pointe Marianne, lagoon, in sponges in Cymodocea beds, 10 speci-
mens, 22 July 1967.

PECTINACEA

Gloripallium pallium (Linnaeus)

East Point, lagoon, sublittoral 1 m, in branches of coral colony,
2 specimens, 19 July 1967; 10 July 1967.

Chlamys reticulatus (Reeve)

Recorded by Melvill (1909) from lagoon at 28 m.

Chlamys lemniscatus (Reeve)

West Island, lagoon; Cymodocea beds, byssate, on stems, 1 speci-
men, 23 July 1967.

Pedum spondyloideum (Gmelin)

East Point, lagoon, byssate, in crevices of massive Porites
colonies, 4 specimens, 10 July 1967.

Plicatula chinensis Morch

North West Point, seaward, algal ridge, cemented beneath blocks, sublittoral fringe, 1 specimen, 21 July 1967.

Spondylus aurantius Lamarck

Carcasse, lagoon, sublittoral fringe, 1 m, cemented, 1 specimen, 9 July 1967.

LIMACEA

Lima fragilis (Gmelin)

North West Point, seaward, sublittoral fringe, Cymodocea beds, beneath loose block, 1 specimen, 21 July 1967.

Lima lima (Linnaeus)

East Point, lagoon, sublittoral, 1 m, byssate, in coral colony, 6 specimens, 10 July 1967; 19 July 1967. Carcasse, lagoon, sublittoral, 1 m, byssate, in crevices of Favia colony, 2 specimens, 9 July 1967.

OSTREACEA

Ostrea numisma Lamarck

North West Point, seaward, algal ridge, cemented beneath boulders, 2 specimens, 21 July 1967; Cymodocea beds beneath loose block, 1 specimen, 21 July 1967. Headland north of Point Thomas, seaward, mid-reef flat, cemented beneath block, 1 specimen, 13 July 1967.

CHAMACEA

Chama aspersa Reeve

East Point, seaward reef flat, cemented beneath dead coral blocks, 1 specimen, 8 July 1967; lagoon, cemented dead coral surface, 1 m, 1 specimen, 19 July 1967. West Island, lagoon, Cymodocea beds beneath loose blocks, 2 specimens, 23 July 1967. Headland, North of Point Thomas, seaward reef flat, cemented beneath loose blocks, 2 specimens, 13 July 1967. South Point, seaward, beneath blocks, 1 specimen, 11 July 1967. Barton Point, seaward reef flat. North West Point, seaward flats, algal ridge, cemented beneath blocks, 4 specimens, 21 July 1967; Cymodocea beds, 2 specimens, 21 July 1967.

Chama cf. imbricata Broderip

Carcasse, lagoon flats, cemented beneath coral colony, 1 m, 2 specimens, 9 July 1967.

LUCINACEA

Ctena divergens (Philippi)

Pointe Marianne, lagoon, Cymodocea beds, burrowing, 1 specimen, 22 July 1967.

Codakia tigerina (Linnaeus)

Pointe Marianne, lagoon, Cymodocea beds, burrowing, 1 specimen, 22 July 1967. Recorded by Melvill (1909) as Codakia exasperata Linnaeus from Barachois Maurice.

"Wallucina" sp.

Headland north of Point Thomas, seaward, beneath boulders, 1 specimen, 13 July 1967.

LEPTONACEA

"Erycina" sp.

North West Point, seaward, byssate, beneath loose blocks on algal ridge, 1 specimen, 21 July 1967. West Island, lagoon, Cymodocea beds, byssate, beneath loose blocks, 1 specimen, 23 July 1967. East Point, seaward, byssate, beneath loose blocks, 2 specimens, 6 July 1967.

CARDIACEA

Fragum fragum (Linnaeus)

East Point, lagoon, seaward, beach washed, in sand, juvenile, 6 July 1967.

Parvicardium sueziense (Issel)

East Point, lagoon, dead, 1 specimen.

TRIDACNACEA

Tridacna maxima (Röding)

Cust Point, lagoon, Cymodocea beds, byssate, sublittoral 1 m, 1 1/2 specimens, 14 July 1967. East Point, lagoon, on coral, byssate, sublittoral, 1 m, 2 specimens, 9 July 1967; 10 July 1967.

MACTRACEA

Atactodea glabrata (Gmelin)

Carcasse, lagoon, eulittoral, burrowing in sand amongst cobbles, 20+ specimens, 9 July 1967. Barachois Maurice, lagoon, in mud beneath cay rock, eulittoral, in beach, 1 specimen, 16 July 1967. East Point, lagoon, eulittoral, in beach, 2 specimens, 5 July 1967.

Ervilia bisculpta (Gould)

Carcasse, lagoon, in sand, 1 m, 2 specimens, 9 July 1967.

TELLINACEA

Asaphis violascens (Forskål)

Mamzelle Adélie, lagoon, eulittoral, beneath loose block of beach rock, 1 specimen, 17 July 1967. Recorded from Barachois

Maurice as A. dellorata (Linnaeus) by Melvill (1909).

Quidnipagus palatam Iredale

Barachois Maurice, lagoon, intertidal, base of beach at barachois entrance, 1 specimen, 15 July 1967; burrowing in mud with Uca, 6 specimens, 16 July 1967; burrowing in mud beneath cay rock overhang, 6 specimens, 16 July 1967. Recorded from Barachois by Melvill (1909) as Tellina rugosa Born.

Scutarcopagia scobinata (Linnaeus)

Headland north of Point Thomas, seaward, sublittoral fringe, burrowing in shallow sand pocket, 1 specimen, 13 July 1967.

Scissulina dispar (Conrad)

Barachois Maurice, burrowing in Uca mud, 6 specimens, 16 July 1967.

Leptomya rostrata Hanley

Barachois Maurice, burrowing in Uca flats, 5 specimens, 16 July 1967.

VENERACEA

Gafrarium pectinatum (Linnaeus)

Cust Point, lagoon, Cymodocea beds, 1 dead specimen, 14 July 1967. Barachois Maurice, lagoon, intertidal, in fine sand beneath cay rock, 6 specimens, 16 July 1967; base of beach at entrance, 20 specimens, 15 July 1967; in mud with crab Uca, 3 specimens, 16 July 1967. Recorded as Crista pectinata by Melvill (1909) from Barachois Maurice.

Gafrarium tumidum (Röding)

Recorded by Melvill (1909) as Crista gibba from Barachois Maurice.

GASTROCHAENACEA

Gastrochaena cuneiformis (Spengler)

East Point, lagoon, boring into Favia colony, 1 m, 1 specimen, 10 July 1967.

Gastrochaena mytiloides (Lamarck)

Carcasse, lagoon, boring into Favia colony, 1 m, 3 specimens, 9 July 1967.

MYACEA

Corbula sp. (cf. Plate 26, fig. E, Orr Maes 1967)

East Point, seaward, byssate beneath loose blocks.

Corbula modesta Hinds

Headland north of Point Thomas, seaward, byssate, beneath loose blocks, 1 specimen, 13 July 1967.

PHOLADACEA

Teredo sp.

Barton Point, dead valves from drift wood.

AMPHINEURA

Schizochiton incisus (Sowerby)

East Point, lagoon, off coral, sublittoral, 19 July 1967.

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